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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Substitute for form 1449A/PTO		Complete if Known	
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number 09/500,904 Filing Date February 9, 2000 First Named Inventor John B. Harley Group Art Unit 1648 Examiner Name S. Foley Attorney Docket Number OMRF 161 CIP	
Sheet	1	of	1

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		Application Number	09/500,904
		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
		Group Art Unit	
		Examiner Name	
Sheet	1	of	23
		Attorney Docket Number	OMRF 161 CIP

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OTHER ART – NON PATENT LITERATURE DOCUMENTS

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SFH		ALEXANDER, et al., "Anti-Ro/SS-A Antibodies in the Pathophysiology of Congenital Heart Block in Neonatal Lupus Syndrome, and Experimental Model," <i>Arth. And Rheum.</i> 35:176-189 (1992).	
		*ARBUCKLE, et al., "Shared early autoantibody recognition events in the development of anti-Sm B/B' in human lupus," <i>Scand. J. Immunol.</i> 50(5):447-55 (1999).	
		BANERJEE, et al., "Complete Nucleotide Sequence of the mRNA Coding for the N Protein of Vesicular Stomatitis Virus (New Jersey Serotype)," <i>Virology</i> 137:432-438 (1984).	
		BARAKET, et al., "IgG Antibodies From Patients with Primary Sjogren's Syndrome and systemic Lupus Erythematosus Recognize Different Epitopes in 60-kD SSA/Ro Protein," <i>Clin. Exp. Immunol.</i> 89:38-45 (1992).	
		BARAKET, et al., "Mapping of epitopes on U1 snRNP polypeptide A with synthetic peptides and autoimmune sera," <i>Clin. Exp. Immunol.</i> 86:71-78 (1991).	
		BARAKET, et al., "Recognition of Synthetic Peptides of Sm-D Autoantigen by Lupus Sera," <i>Clin. Exp. Immunol.</i> 81:256-262 (1990).	
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		BLANK, et al., "Induction of Experimental Anti-phospholipid Syndrome Associated with SLE Following Immunization with Human Monoclonal Pathogenic Anti-DNA Idiotype," <i>J. Autoimmunity</i> 5:495-509 (1992).	
		BLANK, et al., "Induction of SLE-Like Disease in Naive Mice with a Monoclonal anti-DNA Antibody Derived from a Patient with Polymyositis carrying the 16/6 id," <i>J. Autoimmunity</i> 1:683-591 (1988).	
SFH		BLANK, et al., "Induction of Systemic Lupus Erythematosus in Naive Mice with T-cell Lines Specific for Human Anti-DNA Antibody SA-1 (16/6 Id +) and for Mouse Tuberculosis Antibody TB/68 (16/6 id +)" <i>Clin. Immunol. Immunopathol.</i> 60:471-483 (1991).	

Examiner's Signature

Stephen J. Harley

Date Considered

5/6/02

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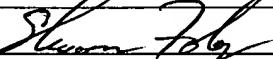
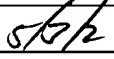
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		Group Art Unit	
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OTHER ART – NON PATENT LITERATURE DOCUMENTS			
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SJF		BLANK, et al., "Sex Hormone Involvement in the Induction of Experimental Systemic Lupus Erythematosus by a Pathogenic anti-DNA Idiotype in Naive Mice," <i>J. Rheumatol.</i> 17:311-317 (1990).	
		BLANK, et al., "The Effect of the Immunomodulator Agent AS101 on Interleukin-2 Production in Systemic Lupus Erythematosus (SLE) Induced in Mice by Pathogenic Anti-DNA Antibody," <i>Clin. Exp. Immunol.</i> 79:443-447 (1990).	
		BRAY, et al., "Antibodies Against Epstein-Barr Nuclear Antigen (EBNA) in Multiple Sclerosis CSF, and Two Pentapeptide Sequence Identities Between EBNA and Myelin Basic Protein," <i>Arch. Neurol.</i> 42:1798-1804 (1992).	
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		CHAMBERS, et al., "Genomic Structure and Amino Acid Sequence domains of the Human La Autoantigen," <i>J. Biol. Chem.</i> 263:18043-18051 (1988).	
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		CHAN, et al., "Ribonucleoprotein SS-B/La belongs to a Protein Family with Consensus Sequences for RNA Binding," <i>Nucl. Acids Res.</i> 17:2233-2244 (1989).	
SJF		COHEN, "The Self, the World and Autoimmunity - Autoimmunity - In Which the Immune System Recognizes and Attacks the Self's Own Tissues - Is Not as Simple as it Seemed. Self-recognition Appears to be at the Heart of Health as Well as of Certain Diseases," <i>Scientific American</i> 258:52-60 (1988).	
		CRAFT, et al., "Murine and Drosophila B Proteins of SM snRNPs," <i>Mol. Biol. Rep.</i> 15:159 (1991).	

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OMRF 161 CIP			

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SJT		CRONE, et al., "Viral Transcription is Necessary and Sufficient for Vesicular Stomatitis Virus to Inhibit Maturation of Small Nuclear Ribonucleoproteins," <i>Journal of Virology</i> 63(10):4172-4180 (1989).	
		CUNNINGHAM, et al., "Human Monoclonal Antibodies Reactive with Antigens of the Group A Streptococcus and Human Heart," <i>Journal of Immunology</i> 141(8):2760-2766 (1988).	
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		DEACON, et al., "Frequency of EBV DNA Detection in Sjogren's Syndrome," <i>Am J. Med.</i> 92:453-454 (1992).	
		DEPOLO, et al., "Continuing Coevolution of Virus and Defective Interfering Particles and of Viral Genome Sequences During Undiluted Passages: Virus Mutants Exhibiting Nearly Complete Resistance to Formerly Dominant Defective Interfering Particles," <i>J. of Virology</i> 61:454-464 (1987).	
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		DYRBERG & OLDSSTONE, "Peptides as Probes to Study Molecular Mimicry and Virus-Induced Autoimmunity," <i>Current Topics in Microbiology and Immunology</i> 130:25-37 (1986).	
SJT		ELKON, et al., "Epitope Mapping of Recombinant HeLa SmB and B' Peptides Obtained by the Polymerase Chain Reaction," <i>J. Immun.</i> 145:636-643 (1990).	

Examiner's Signature	<i>Steve T. B.</i>	Date Considered	5/8/2
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<i>SHF</i>		ESQUIVEL, et al., "Induction of Autoimmunity in Good and Poor Responder Mice with Mouse Thyroglobulin and Lipopolysaccharide," <i>J. Exp. Med.</i> 145:1250-1263 (1977).	
		EVANS & NIEDERMAN, "Epstein-Barr virus". in <i>Viral Infections in Humans</i> , 3rd ed. Evans, A.S. ed. pp 265-292 (Plenum, New York City 1989).	
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		EVANS, et al., "Raised Antibody Titres to E.B. Virus in Systemic Lupus Erythematosus," <i>Lancet</i> 1:167-168 (1971).	
		FERRIS & DONALDSON, <i>Veterinary Microbiology</i> 18(3-4):243-258 (1988).	
		FINERTY, et al., "Immunization of Cottontop Tamarins and Rabbits with a Candidate Vaccine Against the Epstein-Barr Virus Based on the Major Viral Envelope Glycoprotein gp340 and Alum," <i>Vaccine</i> 12:1180-1184 (1994).	
		FINERTY, et al., "Protective Immunization Against Epstein-Barr Virus-Induced Disease in Cottontop Tamarins Using the Virus Envelope glycoprotein gp340 Produced from a Bovine Papillomavirus Expression Vector," <i>J. Gen. Virol.</i> 73:449-453 (1992).	
<i>SHF</i>		FOX, "Sjogren's Syndrome," <i>Current Opin. Rheum.</i> 7:409-416 (1995).	

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		FOX, et al., "Potential Role of Epstein-Barr Virus in Sjogren's Syndrome and Rheumatoid Arthritis," <i>J. Rheumatol.</i> 19:18-24 (1992).	
		FRICKE, et al., "Induction of Experimental Systemic Lupus Erythematosus in Mice by Immunization with a Monoclonal Anti-La Autoantibody," <i>Intern. Immunol.</i> 2:225-230 (1990).	
		FRITZ, et al., "Small Nuclear U-Ribonucleoproteins in <i>Xenopus Laevis</i> Development," <i>J. Mol. Biol.</i> 178:273-285 (1984).	
		GAITHER, et al., "Implications of Anti-Ro/Sjogren's Syndrome a Antigen Autoantibody in Normal Sera for Autoimmunity," <i>J. Clin. Invest.</i> 79:841-846 (1987).	
		GAITHER, et al., "Affinity Purification and Immunoassay of Anti-Ro/SSA" <i>Peptides Biol. Fluids</i> 33:413-416 (1985).	
		GALLIONE, et al., "Nucleotide Sequences of the mRNA's Encoding the Vesicular Stomatitis Virus N and NS Proteins," <i>Virology</i> 39:529-535 (1981).	
		*GAUTAM, et al., "A viral peptide with limited homology to a self peptide can induce clinical signs of experimental autoimmune encephalomyelitis," <i>J. Immunol.</i> 161:60-64 (1998).	
		GERGELY, et al., "E.B.V. Antibodies in Systemic Lupus Erythematosus," <i>Lancet</i> 1:325-326 (1973).	
SJF		GEYSEN, et al., "Strategies for Epitope Analysis Using Peptide Synthesis," <i>J. of Immunol. Meth.</i> 102:259-274 (1987).	

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<i>SH</i>		GEYSEN, et al., "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid," <i>Proc. Natl. Acad. Sci. USA</i> 81:3998-4002 (1984).	
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Sharon Tog

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/500,904
Sheet 1 of 23		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	OMRF 161 CIP

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published ^{T²}
SFH		*HARLEY, et al., "Epstein-Barr virus infection may be an environmental risk factor for systemic lupus erythematosus in children and teenagers," <i>Arthritis Rheum.</i> 42(8):1782-3 (1999).
		HARLEY, et al, "Gene Interaction at HLA-DQ Enhances Autoantibody Production in Primary Sjogren's Syndrome," <i>Science</i> 232:1145-1147 (1986).
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Examiner's Signature	<i>Shawn Foley</i>	Date Considered	<i>5/3/2</i>
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		INOUE, et al., "Analysis of Antibody Titers to Epstein-Barr Virus Nuclear Antigens in Sera of Patients with Sjogren's Syndrome and with Rheumatoid Arthritis," <i>J. Infect. Dis.</i> 164:22-28 (1991).	
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SAF		*JAMES, et al., "Lupus humoral autoimmunity after short peptide immunization," <i>Ann. N. Y. Acad. Sci.</i> 815:124-7 (1997).	

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SAC		JAMES, et al., "Immunoglobulin Epitope Spreading and Autoimmune Disease After Peptide Immunization: Sm B/B'-derived PPPGMRPP and PPPGIRGP Induce Spliceosome Autoimmunity," <i>J. Exp. Med.</i> 181:453-461 (1995).	
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SAC		KITAGAWA, et al., "Detection of Antibodies to the Epstein-Barr Virus Nuclear Antigens in the Sera from Patients with Systemic Lupus Erythematosus," <i>Immunol. Lett.</i> 17:249-252 (1988).	

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SJZ		KLIPPEL, et al., "Epstein-Barr Virus Antibody and Lymphocyte Tubuloreticular Structures in Systemic Lupus Erythematosus," <i>Lancet</i> , 2:1057-1058 (1973).	
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		LEHMAN, et al., "Spreading of T-Cell Autoimmunity to Cryptic Determinants of an Autoantigen," <i>Nature</i> 356:155-157 (1992).	
SJZ		LERNER & STEITZ, "Antibodies to Small Nuclear RNAs Complexed with Proteins are Produced by Patients with Systemic Lupus Erythematosus," <i>Proc. Natl. Acad. Sci. USA</i> 76:5495-5499 (1979).	

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SFF		LERNER, et al., "Are snRNPs Involved in Splicing?" <i>Nature</i> 283:220-224 (1980).	
		LEVITSKAYA, "Inhibition of Antigen Processing by the Internal Repeat Region of the Epstein-Barr Virus Nuclear Antigen-1," <i>Nature</i> 375:685-688 (1995).	
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SFF		MENDLOVIC, et al., "Induction of an SLE-Like Disease in Mice by a Common Anti-DNA Idiotype," <i>Proc. Natl. Acad. Sci. USA</i> 85:2260-2264 (1988).	-

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		MENDLOVIC, et al., "The Role of Anti-Idiotypic Antibodies in the Induction of Experimental Systemic Lupus Erythematosus in Mice," <i>Eur. J. Immunol.</i> 19:729-732 (1989).	
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		MOSIER, et al., "Transfer of a functional human immune system to mice with severe combined immunodeficiency," <i>Nature</i> 335:256-259 (1988).	
SF		MUNVES, et al., "Antibodies to Sm and RNP," <i>Arthritis Rheum.</i> 26:848-853 (1983)..	

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SFF		*NICHOLSON, "A T cell receptor antagonist peptide induces T cells that mediate bystander suppression and prevent autoimmune encephalomyelitis induced with multiple myelin antigens," <i>Proc. Natl. Acad. Sci. USA</i> 94:9279-9284 (1997).	
		NEWELL & STEVENS, "E.B. Virus Antibody in Systemic Lupus Erythematosus," <i>Lancet</i> 1:652 (1971).	
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		PETERSEN, et al., "Altered Immune Response to Glycine-Rich Sequences of Epstein-Barr Nuclear Antigen-1 in Patients with Rheumatoid Arthritis and Systemic Lupus Erythematosus," <i>Arthritis Rheum.</i> 33:993-1000 (1990).	
		PETTERSSON, et al., "The Structure of Mammalian Small Nuclear Ribonucleoproteins," <i>J. Biol. Chem.</i> 259:5907-5914 (1984).	
		PFLUGFELDER, et al., "Amplification of Epstein-Barr Virus Genomic Sequences in Blood Cells, Lacrimal Glands, and Tears from Primary Sjogren's Syndrome Patients," <i>Ophthalmology</i> 97:976-984 (1990).	
		PFLUGFELDER, et al., "Epstein-Barr Virus and the Lacrimal Gland Pathology of Sjogren's Syndrome," <i>Am. J. Pathol.</i> 143:49-64 (1993).	
SFF		PHILLIPS & CHRISTIAN, "Myxovirus Antibody Increases in Human Connective Tissue Disease," <i>Science</i> 168:982-4 (1970).	

Examiner's Signature	<i>Shane Feb</i>	Date Considered	<i>2/28/02</i>
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Application Number	09/500,904
Filing Date	February 9, 2000
First Named Inventor	John B. Harley
Group Art Unit	
Examiner Name	
Attorney Docket Number	OMRF 161 CIP

Sheet 16 of 23

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SJF		PHILLIPS, et al., "Viruses and Systemic Lupus Erythematosus," <i>Lancet</i> 1:1449 (1973).	
		QUALTIERE & PEARSON, "Radioimmune Precipitation Study Comparing the Epstein-Barr Virus Membrane Antigens Expressed on P3HR-1 Virus-Superinfected Raji Cells to those Expressed on Cells in a B-95 Virus-Transformed Produced Culture Activated with Tumor-Promoting Agent (TPA)," <i>Virology</i> 102:360-369 (1980).	
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SJF		RHODES, et al., "Human Immune Responses to Synthetic Peptides from the Epstein-Barr Nuclear Antigen," <i>J. Immunol.</i> 134:211-216 (1985).	

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		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
		Group Art Unit	
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<i>SJH</i>		ROKEACH, et al., "Primary Structure of a Human Small Nuclear Ribonucleoprotein Polypeptide as Deduced by cDNA Analysis," <i>J. Biol. Chem.</i> , 264:5024-30 (1989).	
		ROKEACH, et al., "Molecular Cloning of a cDNA Encoding the Human Sm-D Autoantigen," <i>Proc. Natl. Acad. Sci. USA</i> 85:4832-36 (1988).	
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		SCHAACK, "Molecular Mimicry in HLA-B-27-Related Arthritis," <i>Annals of Internal Medicine</i> 111(7):581-591 (1989).	
<i>SJH</i>		SCHMAUSS, et al., "A Comparison of snRNP-Associated Sm-Autoantigens: Human N, Rat N and Human B/B.(abstract)," <i>Nuc. Acid Res.</i> 17:1733-43 (1989).	

Examiner's Signature *Shawn J. Harley* Date Considered *5/3/2*

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<i>SHF</i>		SCOFIELD, "HLA-B27 Binding of Peptide From Its Own Sequence and Similar Peptides From Bacteria: Implications For Spondyloarthropathies," <i>Lancet</i> , 345:1542-1544 (1995).	
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		SCOFIELD, et al., "Immunization with Short Peptides from the Sequence of the Systemic Lupus Erythematosus-Associated 60-kDa Ro Autoantigen Results in Anti-Ro Ribonucleoprotein Autoimmunity," <i>J. Immunology</i> 4059-4066 (1996).	
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<i>SP</i>		SHOENFELD, et al. "Modulation of experimental SLE induced in naïve mice by a pathogenic anti-DNA idiosyncrasy (1-6/Id.)," Proceedings of the Second International Conference on Systemic Lupus Erythematosus Tokyo, Japan Professional Postgraduate Services 83 (1989).	

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		First Named Inventor	John B. Harley
		Group Art Unit	
		Examiner Name	
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SJH		SHOENFELD, et al., "Pathogenic idiotypes of autoantibodies in autoimmunity: lessons from new experimental models of SLE," <i>FASEB J.</i> 4:2646-2651 (1990).	
		SILLIKENS, et al., "cDNA Cloning of the Human U1 snRNA-Associated A Protein: Extensive Homology Between U1 and U2 snRNP-Specific Proteins," <i>EMBO Journal</i> 6:3841-3848 (1987).	
		SILLIKENS, et al., "Human U1 snRNP-specific C Protein: Complete cDNA and Protein Sequence and Identification of a Multigene Family in Mammals," <i>Nucleic Acids Res.</i> 16:8307-21 (1988).	
		SINGH, et al., "Decreased Incidence of Viral Infections in Liver Transplant Recipients - Possible Effects of FK506?," <i>Digestive Dis. Sci.</i> 39:15-18 (1994).	
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		STURGESS, et al., "Characteristics and Epitope Mapping of a Cloned Human Autoantigen La," <i>J. Immun.</i> 32:12-3218 (1988).	
		SUMAYA, et al., "Increased Prevalence and Titer of Epstein-Barr Virus Antibodies in Patients with Multiple Sclerosis," <i>Ann. Neurol.</i> 17:371-377 (1985).	
		SUZUKI, et al., "Viral Interleukin 10 (IL-10), the Human Herpes Virus 4 Cellular IL-10 Homologue, Induces Local Anergy to Allogeneic and Syngeneic Tumors," <i>J. Exp. Med.</i> 182:477-486 (1995).	
		TAKEDA, et al., "Antigenic Domains on the U1 Small Nuclear Ribonucleoprotein-associated 70kD Polypeptide; a comparison of regions selectively recognized by Human and Mouse Autoantibodies and by Monoclonal Antibodies," <i>Chem. Abstracts</i> 116(1): ab. No. 4803a (January 6, 1992).	
SJH		TAN, et al., "The 1982 Revised Criteria for the Classification of Systemic Lupus Erythematosus," <i>Arthritis Rheum.</i> 25:1271-1277 (1982).	

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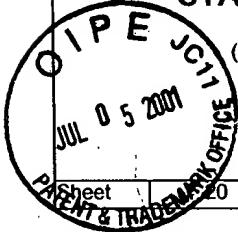
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Application Number **09/500,904**

Filing Date **February 9, 2000**
First Named Inventor **John B. Harley**
Group Art Unit
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SFF		TAN, et al., "Characteristics of a Soluble Nuclear Antigen Precipitating with Sera of Patients with Systemic Lupus Erythematosus," <i>J. Immunol.</i> 96:464-471 (1966).	
		TATEISHI, et al., "Spontaneous Production of Epstein-Barr Virus by B Lymphoblastoid Cell Lines Obtained from Patients with Sjogren's Syndrome," <i>Arthritis Rhuem.</i> 36:827-835 (1993).	
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		THEISSEN, et al., "Cloning of the Human cDNA for the U1 RNA-associated 70K Protein," <i>EMBO J.</i> 5:3209-17 (1986).	
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		TINCANI, et al., "Induction of Experimental SLE in Naive Mice by Immunization with Human Polyclonal anti-DNA Antibody Carrying the 16/6 Idiotype," <i>Clinical and Exp. Rheum.</i> 11:129-134 (1993).	
		TODA, et al., "Sjogren's syndrome (SS) and Epstein-Barr virus (EBV) reactivation," In <u>Lacrimal Gland, Tear Film, and Dry Eye Syndrome</u> . (D.A. Sullivan, ed.) pp 647-650 (Plenum Press, New York 1994).	
		TSAI, et al., "Detection of Epstein-Barr Virus and Cytomegalovirus Genome in White Blood Cells from Patients with Juvenile Rheumatoid Arthritis and Childhood Systemic Lupus Erythematosus," <i>Int. Arch. Allergy Immunol.</i> 106:235-240 (1995).	
		TSUZUKA, et al., "Lupus Autoantibodies to Double-stranded DNA Cross-react with Ribosomal Protein S1 ^{1,2} ," <i>J. Immunol.</i> 156:1668-1675 (1996).	
SFF		TZARTOS, et al., "The Main Immunogenic region of the Acetylcholine Receptor. Structure and Role in Myasthenia Gravis," <i>Autoimmunity</i> 8:259-270 (1991).	

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<i>SB</i>		VAN DAM, et al., "Cloned Human snRNP Proteins B and B' Differ Only in Their Carboxy-Terminal Part," <i>EMBO J.</i> 8(12):3853-3860 (1989).	
<i>SB</i>		*VANDENBARK, et al., "Effects of vaccination with T cell receptor peptides: Epitope switching to a possible disease-protective determinant of myelin basic protein that is cross-reactive with a TCR BV peptide," <i>Immunology and Cell Biology</i> 76:83-90 (1998).	
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		VENABLES, et al., "The Response to Epstein-Barr Virus Infection in Sjogren's Syndrome," <i>J. Autoimmunity</i> 2:439-448 (1989).	
		VIRJI & HECKELS, "Location of a Blocking Epitope on Outer-membrane Protein III of Neisseria Gonorrhoeae by Synthetic Peptide Analysis," <i>J. of Gen. Microbiol.</i> 135:1895-1899 (1989).	
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Examiner's Signature *SB* Date Considered *5/3/2000*

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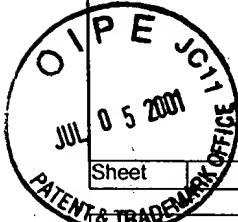
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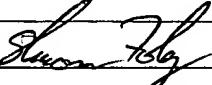
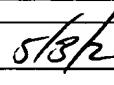
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SJF		WARNER & CARP, "Multiple Sclerosis Etiology - an Epstein-Barr Virus Hypothesis," <i>Med. Hypotheses</i> 25:93-97 (1988).	
		WATSON, et al., "Certain Properties Make Substances Antigenic," in <i>Molecular Biology of the Gene</i> , Fourth Edition, page 836, paragraph 3, (The Benjamin/Cummings Publishing Company, Menlo Park, 1987).	
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		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
		Group Art Unit	
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<i>SAT</i>		ZELLER, et al., "Nucleocytoplasmic Distribution of snRNPs and Stockpiled snRNA-Binding Proteins During Oogenesis and Early Development in <i>Xenopus laevis</i> ," <i>Cell</i> 32:425-434 (1983).	

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